H-LaF1 694492	n_d =1.69362	υ_d = 49.19	$n_F - n_C$ =0.014100
	n_e =1.69696	υ_e = 48.90	$n_{F'} - n_{c'}$ = 0.014252

Refractive Indices		
	λ (nm)	
n_t	1014.0	1.67855
n_r	706.5	1.68708
n_c	656.3	1.68944
$n_{c'}$	643.8	1.69011
n_{He-Ne}	632.8	1.69073
n_D	589.3	1.69350
n_d	587.6	1.69362
n_e	546.1	1.69696
n_F	486.1	1.70354
$n_{F'}$	480.0	1.70436
n_g	435.8	1.71140
n_h	404.7	1.71803
n_i	365.0	1.72957

Constants of Dispersion Formula	
A_0	2.8190353
A_1	-1.6449351×10^{-2}
A_2	1.3660224×10^{-2}
A_3	2.4815081×10^{-3}
A_4	-2.5853305×10^{-4}
A_5	1.3091836×10^{-5}

Deviation of Relative Partial Dispersions ΔP from the"Normal Line"	
$\Delta P_{F,e}$	0.0039
$\Delta Pg_{,F}$	-0.0048

Relative Partial Dispersions			
$P_{d,c}$	0.2965	$P'_{d,c'}$	0.2463
$P_{e,d}$	0.2369	$P'_{e,d}$	0.2344
$P_{g,F}$	0.5557	$P'_{g,F'}$	0.4937

Chemical Properties	
	Grade
RC(S)	1
RA(S)	3
D_W	1
D_A	3

Thermal Properties	
T_g (℃)	640
T_s (℃)	676
$T_{10}^{14.5}$ (℃)	595
T_{10}^{13} (℃)	627
$T_{10}^{7.6}$(℃)	737
$\alpha_{20/120℃}$(10^{-7}/K)	76
$\alpha_{100/300℃}$(10^{-7}/K)	85
λ (W/m • K)	

Mechanical Properties	
H_K (10^7Pa)	613
F_A	158
E (10^7Pa)	10138
G (10^7Pa)	3933
μ	0.289
B (10^{-12}/Pa)	1.82

Other Properties	
ρ (g/cm^3)	3.85

Internal Transmittance		
λ (nm)	τ 5 mm	τ 10 mm
2400	0.897	0.805
2200	0.971	0.942
2000	0.989	0.979
1800	0.996	0.991
1600	0.997	0.994
1400	0.998	0.997
1200	0.999	0.999
1060	0.999	0.998
1000	0.999	0.998
950	0.999	0.998
900	0.999	0.998
850	0.999	0.998
800	0.997	0.994
700	0.997	0.994
650	0.997	0.995
600	0.998	0.997
550	0.998	0.996
500	0.997	0.995
480	0.996	0.992
460	0.994	0.989
440	0.991	0.983
420	0.988	0.976
400	0.978	0.957
390	0.968	0.937
380	0.951	0.904
370	0.914	0.835
360	0.834	0.696
350	0.658	0.433
340	0.330	0.109
330		
320		
310		
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	38/34

Temperature Coefficients of Refractive Index

Rang of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-40～-20	1.5	1.8	1.9	2.4	2.7	3.1
-20～0	1.7	2.3	2.5	3.1	3.5	4.2
0～20	2.4	2.9	3.2	3.3	3.9	4.4
20～40	2.5	3.1	3.4	3.4	4.0	4.5
40～60	2.6	3.1	3.5	3.7	4.1	4.6
60～80	2.5	3.1	3.5	3.6	4.2	4.7

CDGM